

Claims

1. Process for the production of crystalline energetic materials having improved stability and/or decreased sensitivity by crystallisation of the energetic materials with ultrasonic vibration having a frequency of between 10
5 and 100 kHz.
2. Process according to claim 1, wherein the crystallising mixture is stirred during crystallisation.
3. Process according to claim 1 or 2, wherein the crystallising mixture is transported continuously through
10 the zone of ultrasonic vibration.
4. Process according to claims 1-3, wherein the temperature during recrystallisation is between 15 and 75°C.
5. Process according to claims 1-4, wherein the ultrasonic
15 vibration is generated using an ultrasonic probe, the amplitude thereof being between 0.4 and 30 μm .
6. Process according to claims 1-5, wherein the energetic materials are selected from the group of explosives and high energy oxidisers.
- 20 7. Process according to claim 6, wherein the said energetic materials are selected from the group consisting of hydrazinium nitroformate, Cl_2O , ADN, AP, RDX, HMX and PETN.

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